



# Standards *Actions*

## DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of this document is available on the Technical Standards Program (TSP) Internet Site at the URL shown at the bottom of this page. If you wish to comment on this document, please notify your TSM.

- *Fire Protection Design Criteria*, Project Number FIRP-0001 (revision of DOE-STD-1066-97), Dennis Kubicki, EH-51, 301-903-4794, FAX 301-903-2239; [Dennis.Kubicki@eh.doe.gov](mailto:Dennis.Kubicki@eh.doe.gov); comments due December 18, 1998.
- *Hoisting and Rigging*, Project Number SAFT-0068, (revision to DOE-STD-1090-96), Pat Finn, EH-51, 301-903-9876, FAX 301-903-2239, [Pat.Finn@eh.doc.gov](mailto:Pat.Finn@eh.doc.gov); comments due December 4, 1998.

## DOE Technical Standards Recently Published

The following DOE Technical Standard has recently been published:

- **DOE-STD-3007-93**, *Guidelines for Preparing Criticality Safety Evaluations at Department of Energy Non-Reactor Nuclear Facilities*, November 1993, Change Notice No. 1, September 1998.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services; telephone 1-800-473-4375 or FAX 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-605-6000 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page.

## DOE Documents Recently Canceled

- DOE-STD-1012-92, *Guide to Good Practices for On-the-Job Training (OJT)*, July 1992 (replaced by DOE-HDBK-1206-98).
- DOE-STD-1058-93, *Guide to Good Practices for Developing and Conducting Case Studies*, February 1993 (replaced by DOE-HDBK-1116-98).
- DOE-STD-1077-94, *Training Accreditation Program: Requirements and Guidelines*, August 1994 (canceled because the DOE Order requiring it was canceled; the training program evaluation objectives and criteria that were contained in the standard are contained in DOE-STD-1070-94).
- NE F 3-42, *Operating Policy of DOE Filter Test Program*, January 1987 (replaced by DOE-STD-3022-98).

Note: Archival copies of these documents will be maintained by the Technical Standards Program Office and are available upon request.

## Technical Standards Program Document Status as of 10/30/98

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	46	26	1

**Total in process = 72**

## Non-Government Standards

### American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email [sbose@ansi.org](mailto:sbose@ansi.org). For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, New York 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards de-



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veloping organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Internet site (<http://www.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).

**The following American National Standards are currently in coordination:**

- ANS 18.1, *Radioactive Source Term for Normal Operation of Light Water Reactors* (revision of ANSI/ANS 18.1-1984); comments due December 8, 1998.
- ASTM A955, *Specification for Deformed and Plain Stainless Steel Bars for Concrete Reinforcement* (new standard); comments due December 2, 1998.
- ASTM A970, *Specification for Welded Headed Bars for Concrete Reinforcement* (new standard); comments due December 2, 1998.
- ASTM A988, *Specification for Hot Isostatically Pressed Stainless Steel Flanges, Fittings, Valves, and Parts for High Temperature Service* (new standard); comments due December 2, 1998.
- ASTM A992, *Specification for Steel for Structural Shapes Used in Building Framing* (new standard); comments due December 2, 1998.
- ASTM A993, *Specification for Steel, Sheet, Carbon, Ultra High Strength Cold Rolled* (new standard); comments due December 2, 1998.
- ASTM B163, *Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes* (revision of ANSI/ASTM B163-98); comments due December 8, 1998.
- ASTM B753, *Specification for Thermostat Component Alloys* (new standard); comments due December 8, 1998.
- ASTM D6011, *Test Method for Determining the Performance of a Sonic Anemometer/Thermometer* (new standard); comments due December 8, 1998.
- ASTM D6062M, *Guide for Personal Samplers of Health-Related Aerosol Fractions (Metric)* (new standard); comments due December 8, 1998.
- ASTM Z7249Z, *Specification for Nickel and Nickel Alloy Plate, Sheet and Strip* (new standard); comments due December 8, 1998.
- EIA SP-4331 (if approved, to be published as ANSI/EIA 773), *Checklist for Documentation Development and Revision* (new standard); comments due December 12, 1998.
- N14.23, *Design Basis for Resistance to Shock and Vibration of Radioactive Material Packages Greater than One Ton in Truck Transport* (new standard); comments due December 2, 1998.
- UL 203, *Standard for Safety for Pipe Hanger Equipment for Fire Protection Services* (revision of ANSI/UL 203-1992); comments due November 22, 1998.
- UL 536, *Standard for Safety for Flexible Metallic Hose* [revision of ANSI/UL 536-1984 (R1989)]; comments due December 8, 1998.
- UL 1256, *Standard for Safety for Fire Test of Roof Deck Construction* (revision of ANSI/UL 1256-1995); comments due December 2, 1998.

**The following international standards are currently in coordination** (comment due dates follow each entry):

- ISO/DIS 11929-4, *Determination of the lower limits of detection and decision for ionizing radiation measurements - Part 4: Fundamentals and applications to measurements by use of linear scale analogue ratemeters, without the influence of sample treatment* - December 31, 1998.
- ISO/DIS 12209-1, *Gas cylinders - Outlet connections for gas cylinder valves for compressed breathable air - Part 1: Yoke type connection* - December 31, 1998.
- ISO/DIS 12472, *Fire resistance tests - Determination of the efficacy of intumescent seals with respect to the fire resistance of timber door assemblies* - December 24, 1998.
- ISO/DIS 12789, *Reference neutron radiations - Characteristics and methods of production of simulated workplace neutron fields* - December 24, 1998.
- ISO/DIS 14438, *Glass in building - Determination of energy balance value - Calculation method* - December 18, 1998.
- ISO/DIS 14956, *Air quality - Evaluation of the suitability of a measurement method by comparison with a stated measurement uncertainty* - December 18, 1998.
- ISO/DIS 15365, *Representative sampling of spent fuel dissolver solution for the determination of uranium and plutonium concentration* - December 31, 1998.
- prEN 405 REVIEW, *Respiratory protective devices - Valved filtering half masks to protect against gases or gases and particles - Requirements, testing, marking* - February 3, 1999.
- prEN 720-1, *Transportable gas cylinders - Gases and gas mixtures - Part 1: Properties of pure gases* (for information).
- prEN 1169, *Precast concrete products - General rules for factory production control of glass-fibre reinforced cement* (for information).
- prEN 1366-5, *Fire resistance tests for service installations - Part 5: Service ducts and shafts* - January 13, 1999.
- prEN 1975, *Transportable gas cylinders - Specification for the design and construction of refillable transportable seamless aluminium alloy gas cylinders for capacity of 0,5 l up to 150 l* (for information).
- prEN 13340, *Pressure equipment - Safety devices for the prevention of excessive pressure - Terminology* - January 27, 1999.
- prEN 13352, *Specification for the performance of automatic tank contents gauges* - March 1, 1999.
- prEN 13359, *Chimneys - Components - Concrete cast in-situ flue liners* - February 17, 1999.
- prEN ISO 10320 REVIEW, *Geotextiles and geotextile-related products - Identification on site* (ISO/FDIS 10320:1998) (for information).
- prEN ISO 10423, *Petroleum and natural gas industries - Drilling and production equipment - Specification for valves, wellhead and Christmas tree equipment* (ISO 10423:1988) - December 13, 1998.
- prEN ISO 10426-2, *Petroleum and natural gas industries - Cements and materials for well cementing - Part 2: Recommended practice for testing of well cement* (ISO/DIS 10426-2:1998) - January 3, 1999.

- prEN ISO 13426-1, *Geotextiles and geotextile-related products - Strength of structural junctions - Part 1: Geocells* (ISO/DIS 13426-1:1998) - December 20, 1998.
- prEN ISO 13706, *Petroleum and natural gas industries - Air-cooled heat exchangers* (ISO/DIS 13706:1998) - January 3, 1999.
- prEN ISO 14956, *Air quality - Evaluation of the suitability of a measurement method by comparison with a stated measurement uncertainty* (ISO/DIS 14956:1998) - January 17, 1999.
- prEN ISO 15616-1, *Acceptance tests for CO<sub>2</sub>-laser beam machines for welding and cutting - Part 1: General principles, acceptance conditions* (ISO/DIS 15616-1:1998) - January 3, 1999.

## American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional information on ASTM activities is available on the ASTM Internet site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

### The following ASTM standards are currently in coordination:

(the due date for all items is November 10, 1998).

- New Standard, *Guide for Planning, Writing, and Reviewing Hydrologic and Geologic Reports* (Ref. Z3768Z).
- New Standard, *Test Method for Hydrogen Gas Generation of Aluminium Emulsified Asphalt Used as a Protective Coating for Roofing* (Ref. Z4115Z).
- New Standard, *Practice for Determining Uniformity of Ingredients of Concrete From a Single Source* (Ref. Z5249Z).
- New Standard, *Specification for Asphalt Roll Roofing (Organic Felt)* (Ref. Z5791Z).
- New Standard, *Guide for the Selection, Removal and Shipment of Manufactured Masonry Units Placed in Usage* (Ref. Z5873Z).
- New Standard, *Guide for Selection of Asphalt Used in Constructing Built-Up Roofing Systems* (Ref. Z6165Z).
- New Standard, *Test Methods for Determining Aerobic Biodegradation of Radiolabeled Plastic Materials in An (A) Aqueous or (B) Compost Environment* (Ref. Z6873Z).
- New Standard, *Test Method for Mercury Sampling and Analysis in Natural Gas by Atomic Fluorescence Spectroscopy* (Ref. Z6945Z).
- New Standard, *Practice for Dynamic Mechanical Analysis and Thermogravimetry of Roofing and Waterproofing Membrane Material* (Ref. Z7107Z).
- New Standard, *Guide for Installing and Operating Settlement Platforms for Monitoring Vertical Deformations* (Ref. Z7158Z).

- New Standard, *Practice for Developing and Applying Detection and Quantification Limits for Ground-Water Monitoring Systems* (Ref. Z7171Z).
- New Standard, *Practice for Total Quality Assurance in the Petroleum Products and Lubricants Testing Laboratories* (Ref. Z7239Z).
- New Standard, *Practice for Time-to-Failure (Creep-Rupture) of Adhesive Joints Fabricated From EPDM Roof Membrane Material* (Ref. Z7473Z).
- New Standard, *Terminology Relating to Biodegradability and Ecotoxicity of Lubricants and Lubricant Components* (Ref. Z7524Z).
- C 1074-93, *Practice for Estimating Concrete Strength by the Maturity Method* (revised standard).
- C 1209-98a, *Terminology of Concrete Masonry Units and Related Units* (revised standard).
- C 1393, *Specification for Perpendicularly-Oriented Mineral Fiber Roll and Sheet Thermal Insulation for Pipes and Tanks* (new standard).
- D 2487-98, *Classification of Soils for Engineering Purposes (Unified Soil Classification System)* (revised standard).
- E 535-93a, *Practice for Preparation of Fire-Test-Response Standards* (revised standard).

### The following newly published standards are available from ASTM:

- A 980-97, *Specification for Steel, Sheet, Carbon, Ultra-High Strength Cold Rolled* (new standard).
- C 1385-98, *Practice for Sampling Materials for Shotcrete* (new standard).
- D 388-98, *Classification of Coals by Rank* (revised standard).
- D 6172-97, *Test Method for Determining the Volume of Bulk Materials, Using Contours or Cross Sections Created by Direct Operator Compilation Using Photogrammetric Procedures* (new standard).
- D 6233-98, *Guide for Data Assessment for Environmental Waste Management Activities* (new standard).
- D 6245-98 (Includes change to title), *Guide for Using Indoor Carbon Dioxide Concentrations to Evaluate Indoor Air Quality and Ventilation* (new standard).
- E 1894-97, *Guide for Selecting Dosimetry Systems for Application in Pulsed X-Ray Sources* (new standard).
- E 1914-97, *Practice for Use of Terms Relating to the Development and Evaluation of Methods for Chemical Analysis* (new standard).
- E 1924-97, *Guide for Conducting Toxicity Tests with Bioluminescent Dinoflagellates* (new standard).
- E 1929-98, *Practice for Assessment of Certification Programs for Environmental Professionals: Accreditation Criteria* (new standard).
- G 156-97, *Practice for Selecting and Characterizing Weathering Reference Materials Used to Monitor Consistency of Conditions in an Exposure Test* (new standard).
- PS 104-98, *Guide For Risk-Based Corrective Action* (new standard).

## American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

### American Welding Society (AWS)

**Office:** 550 NW LeJeune Road  
Miami, FL 33126

**Fax:** 305-443-5951

**Contact:** Charles Fassinger, [chuck@aws.org](mailto:chuck@aws.org)

- AWS D10.7M/D10.7, *Guide for Gas Shielded Arc Welding of Aluminum and Aluminum Alloy Pipe Welding* [revision of ANSI/AWS D10.7-86 (R1992)].
- AWS D10.11M/D10.11, *Root Pass Welding of Pipe without Backing* [revision of ANSI/AWS D10.11-1987 (R1992)].

### National Fire Protection Association

**Office:** P. O. Box 9101  
One Batterymarch Park  
Quincy, MA 02269-9101

**Fax:** 617-770-3500

**Contact:** Casey E. Grant

- NFPA 214, *Standard on Water-Cooling Towers* (revision of ANSI/NFPA 214-1996).

- NFPA 221, *Fire Walls and Fire Barrier Walls* (revision of ANSI/NFPA 221-1997).
- NFPA 803, *Standard for Fire Protection for Light Water Nuclear Power Plants* (revision of ANSI/NFPA 803-1998).
- NFPA 804, *Advanced Light Water Reactor Electric Generating Plants* (revision of ANSI/NFPA 804-1995).
- NFPA 805, *Standard on Performance-Based Fire Protection for Light Water Reactor Electric Generating Plants* (new standard).
- NFPA 853, *Standard for the Installation of Stationary Fuel Cell Power Plants* (new standard).
- NFPA 1951, *Standard on Protective Ensemble for Technical Rescue Operations* (new standard).
- NFPA 8504, *Standard on Atmospheric Fluidized-Bed Boiler Operation* (revision of ANSI/NFPA 8504-1996).

## Comments, Questions, and Addresses

**Comments:** If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email [Richard.Serbu@eh.doe.gov](mailto:Richard.Serbu@eh.doe.gov). If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email [spellmandj@ornl.gov](mailto:spellmandj@ornl.gov).

**Addresses:** To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423-574-0382, Email [mmf@ornl.gov](mailto:mmf@ornl.gov).

**Technical Standards Activities:** The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email [lj8@ornl.gov](mailto:lj8@ornl.gov).



# Standards *Actions*

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